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Agenda

Day 1

Welcome and Pre-Test	8:30 a.m. to 9:00 a.m.
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Types of Alarms	9:00 a.m. to 9:45 a.m.
Break	9:45 a.m. to 10:00 a.m.
Health and Safety	10:00 a.m. to 10:30 a.m.
General Precautions	10:30 a.m. to 11:00 a.m.
Break	11:00 a.m. to 11:15 a.m.
Medical Surveillance	11:15 a.m. to 11:45 p.m.
Break	11:45 a.m. to 1:00 p.m.
Recognition and Identification	
Recognition and Identification	1:00 p.m. to 1:10 p.m.
Occupancy and Location	1:10 p.m. to 1:45 p.m.
Break	1:45 p.m. to 2:00 p.m.
Placards, Labels and Markings	2:00 p.m. to 2:30 p.m.
Containers, Shapes and Designs	2:30 p.m. to 3:00 p.m.
Break	3:00 p.m. to 3:15 p.m.
Shipping Papers and Facility Documents	3:15 p.m. to 3:45 p.m.
Chemical Properties	
States of Matter	3:45 p.m. to 4:00 p.m.
Break	4:00 p.m. to 4:15 p.m.
Chemical Properties	4:15 p.m. to 5:15 p.m.

Day 2

Introduction to Radioactive Materials	
Introduction and Radiological Terms	8:30 a.m. to 9:15 a.m.
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Protecting Your Health and Safety	10:00 a.m. to 10:45 a.m.
Packaging, Transportation and Storage	
Packaging	10:45 a.m. to 12:15 p.m.
Break	12:15 p.m. to 1:30 p.m.
Transportation	1:30 p.m. to 2:00 p.m.
Break	2:00 p.m. to 2:15 p.m.
Storage	2:15 p.m. to 2:45 p.m.

Radiation Emergencies	
Initial Response	2:45 p.m. to 3:00 p.m.
Detecting Radiation Hazards	3:00 p.m. to 3:45 p.m.
Break	3:45 p.m. to 4:00 p.m.
Treating Patients	4:00 p.m. to 4:30 p.m.
Controlling and Reporting Hazards	4:30 p.m. to 5:00 p.m.

Day 3

Personal Protective Equipment	
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Respiratory Equipment	9:00 a.m. to 9:30 a.m.
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Decontamination	9:45 a.m. to 10:15 a.m.
Scene Management	
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Break	11:00 a.m. to 11:15 a.m.
Establishing a Hazard Area	11:15 a.m. to 12:00 p.m.
Break	12:00 p.m. to 1:15 p.m.
The Media	1:15 p.m. to 2:00 p.m.
Termination	2:00 p.m. to 2:15 p.m.
Break	2:15 p.m. to 2:30 p.m.
Pre-Incident Planning	
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Hazard Identification	2:40 p.m. to 3:00 p.m.
Hazard Analysis and Risk Assessment	3:00 p.m. to 3:30 p.m.
Break	3:30 p.m. to 3:45 p.m.
Analysis of Resources	3:45 p.m. to 4:30 p.m.
Post-Test	4:30 p.m. to 5:00 p.m.

PREFACE

Mission Statement

The Hazardous Materials Department of the International Association of Fire Fighters, (IAFF) in cooperation with the U.S. Department of Energy and Fluor Daniel Fernald, has produced this training program for fire fighters working in communities along DOE transportation routes. Our intent is to teach fire fighters the skills they need to protect their health and safety when responding to hazardous materials emergencies and specifically, to incidents involving radioactive materials.

Course Objective

The purpose of this program is to provide refresher operations training, as well as in-depth training in radiation, to fire fighters who are currently trained to the National Fire Protection Association (NFPA) *Standard for Professional Competence of Responders to Hazardous Materials (NFPA 472)*.

While we believe all of the information contained herein to be accurate and timely, we are in no way prescribing this information as the final authority. Where there are discrepancies between the material presented in this program and local policies and proce-dures, those of your own jurisdiction will take precedence. The U.S. Department of Energy, Fluor Daniel Fernald and the IAFF assume no responsibility based on any representations made in these materials.

Individual copies of the Student Text cannot be supplied by the IAFF. However, the IAFF authorizes qualified fire instructors to duplicate the Student Text exactly and completely so that each student will have a copy. In addition, exact and complete copies of this training package can be made for the purpose of increasing distribution of the materials. Copies of the Student Text or the training package cannot be sold. These materials have been copyrighted under the copyright laws of the United States. Permission to duplicate these materials is conditional upon meeting the criteria listed above and may be rescinded by the IAFF for failure to comply.

As with any skill or knowledge area, refresher training and regular practice are necessary in order to maintain your level of proficiency. Refresher training on an annual basis, at a minimum, should be conducted and drills are needed more frequently. Keep in mind that requirements from federal and state occupational safety and health agencies, as well as industry standards, should always be incorporated into departmental training.